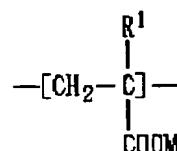


Patent Abstracts of Japan

PUBLICATION NUMBER : 2000026145
PUBLICATION DATE : 25-01-00

APPLICATION DATE : 07-07-98
APPLICATION NUMBER : 10191786

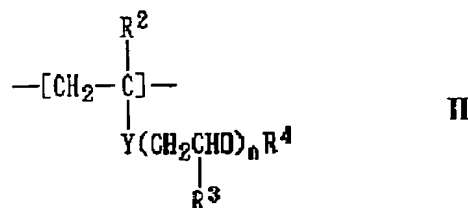


APPLICANT : TAIHEIYO CEMENT CORP;

INVENTOR : KANEDA YOSHIHISA;

INT.CL. : C04B 24/26 B01F 17/52 C04B 28/02
C08F290/06 // C04B103:40

TITLE : POWDERY CEMENT DISPERSANT
AND ITS PRODUCTION



ABSTRACT : PROBLEM TO BE SOLVED: To obtain a powdery cement dispersant excellent in handability and capable of producing a cement compsn. excellent in flowability by concentrating a mixture contg. a (meth)acrylate type cement dispersant having specified constituent units and water, kneading and mixing the concd. mixture and converting it into dry powder.

SOLUTION: A (meth)acrylate type cement dispersant contg. about 40-80 mol.% constituent units of formula I and about 1-45 mol.% constituent units of formula II in one molecule and having a number average mol. wt. of about 2,000-50,000 is prepd. (In the formulae I and II, R¹-R³ are each H or methyl, R⁴ is 1-3C alkyl, M is H, an alkali metal, an alkaline earth metal, ammonium or an org. amine, Y is -CH₂O- or -COO- and (n) is 20-109.) A mixture contg. the dispersant and water or further contg. about 0.1-30 pts.wt. inorg. powder is converted into dry powder. Preferably the mixture is previously concd. to ≥30° hardness and then converted into dry powder under kneading and agitation with ≥0.5 kW/m³/r.p.m. horsepower.

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